

Title (en)
Powder and water-based adhesive composition

Title (de)
Pulver und wässrige Klebstoffzusammensetzung

Title (fr)
Poudre et composition adhésive à base d'eau

Publication
EP 1897926 A1 20080312 (EN)

Application
EP 06018969 A 20060911

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Abstract (en)
The invention relates to an adhesive composition which is in one embodiment a free flowing, water-redispersible powder adhesive, comprising about 30 to 99.9 wt.-% of at least one water-insoluble, film-forming polymer and/ or at least one water-soluble polymer in powder form, about 0.1 to 35 wt.-% of at least one polyalkylene polyamine with a molecular weight of between about 300 and 10'000'000, and up to about 35 wt.-% of at least one water-soluble salt. In another embodiment, the adhesive composition is a water-based adhesive composition, comprising, based on the solids content of the adhesive about 30 to 99.4 wt.-%, of at least one aqueous dispersion of a water-insoluble, film-forming polymer and at least one water-soluble polymer, wherein the weight ratio of the water-insoluble to the water-soluble polymer is from about 0.001 : 1 to 100 : 1, about 0.1 to 35 wt.-%, of at least one polyalkylene polyamine with a molecular weight of between about 300 and 10'000'000, and about 0.5 to 35 wt.-% of at least one water-soluble salt, whereas the solids content of the water-based adhesive composition is between about 5 and 70 wt.-%. The processes to manufacture the same and the uses are described as well. The inventive adhesive composition is cost effective and provides excellent adhesion, in particular to difficult to bond substrates.

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C09J 201/00 (2013.01); **C08L 2666/20** (2013.01)

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Citation (applicant)
• EP 0539777 A1 19930505 - KURARAY CO [JP]
• EP 1098916 A1 20010516 - ELOTEX AG [CH]
• EP 1109838 A1 20010627 - ELOTEX AG [CH]

Citation (search report)
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• [A] JP S62148582 A 19870702 - DAINIPPON INK & CHEMICALS
• [DA] US 5821294 A 19981013 - PERLINSKI WITOLD [US]
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